

FORM PTO-1449 (Modified)

INFORMATION DISCLOSURE STATEMENT BY APPLICATION (Use several sheets if necessary)

ATTY. DOCKET NO.
P07 41795

SERIAL NO.
09/292,723

APPLICANT **Car I W. R adhead, R bert Winst n,
Phillip K effl r and Carst n Müll r**

FILING DATE
April 15, 1999

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE
JDM	4 6 6 3 2 8 1	05/05/87	Gillies et al.	—	—	
	4 7 6 2 7 0 1	08/09/88	Horan et al.	—	—	
	4 8 7 0 0 0 9	09/26/89	Evans et al.	—	—	
	4 9 5 9 3 1 3	09/25/90	Taketo	—	—	
	5 1 7 5 3 8 4	12/29/92	Krimpenfort et al.	—	—	
	5 2 0 6 1 4 3	04/27/93	Horan et al.	—	—	
	5 3 7 5 6 0 6	12/27/94	Slezak et al.	—	—	
	5 4 2 2 2 6 6	06/06/95	Cormier et al.	—	—	
	5 4 3 4 3 4 0	07/18/95	Krimpenfort et al.	—	—	
	5 4 9 1 0 8 4	02/13/96	Chalfie et al.	—	—	
	5 5 2 1 2 9 1	05/28/96	Curiel et al.	—	—	

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	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	Translation	
						YES	NO
JDM	W0 90/08192	07/26/90	EPO	—	—		
	W0 92/03459	03/05/92	PCT	—	—		
	W0 93/11228	06/10/93	PCT	—	—		
	WO 95/02041	01/19/95	PCT	—	—		
	EP 0 867 114 A1	09/30/98	EPO	—	—		

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JDM	1.	Avarbock, Mary R., et al., Reconstitution of spermatogenesis from frozen spermatogonial stem cells, <u>Nature Medicine</u> , Vol. 2, No. 6, pp. 693-696, (June, 1996).
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DM	5 5 3 2 1 4 3	07/02/96	Grosveld et al.	—	—	
	5 5 4 7 9 3 2	08/20/96	Curiel et al.	—	—	
	5 5 4 3 2 9 1	08/06/96	Keyomarsi et al.	—	—	
	5 5 5 6 9 5 4	09/17/96	Burn et al.	—	—	
	5 5 9 1 6 2 5	01/07/97	Gerson et al.	—	—	
	5 5 9 1 6 6 9	01/07/97	Krimpenfort et al.	—	—	
	5 6 1 0 0 5 3	03/11/97	Chung et al.	—	—	
	5 6 2 5 0 4 8	04/29/97	Tsien et al.	—	—	
	5 6 3 9 6 1 8	06/17/97	Gay	—	—	
	5 6 4 3 7 4 1	07/01/97	Tsukamoto et al.	—	—	
	5 6 5 0 1 3 5	07/22/97	Contag et al.	—	—	
	5 6 6 5 5 5 7	09/09/97	Murray et al.	—	—	
	5 6 7 0 3 7 2	09/23/97	Hogan	—	—	
	5 7 5 0 3 7 6	05/12/98	Weiss et al.	—	—	
	5 7 6 7 2 5 8	06/16/98	Sidransky	—	—	
	5 7 7 7 0 7 9	07/07/98	Tsien et al.	—	—	
	5 8 2 1 2 3 4	10/13/98	Dzau	—	—	
	5 8 4 0 4 7 8	11/24/98	Patterson et al.	—	—	

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					YES NO

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DM	3.	Birnstiel, Max L. et al., <i>Dangerous Liaisons: Spermatozoa as Natural Vectors for Foreign DNA?</i> , Cell, Vol. 57, pp. 701-702, (1989).
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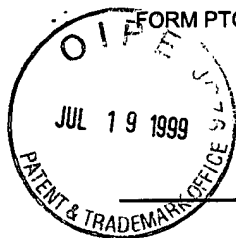
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4.	Blanchard, K. T. et al., <i>Adenovirus-mediated gene transfer to rat testis in vivo</i> , Biol Reprod (1997 Feb); 56(2):495-500
5.	Brinster, Ralph L., et al., <i>No Simple Solution for Making Transgenic Mice</i> , Cell, Vol. 59, pp. 239-241, Oct 20, 1989
6.	Brinster, Ralph L. et al., Avarbock, <i>Germline transmission of donor haplotype following spermatogonial transplantation</i> , Proc. Natl. Acad. Sci. USA, Vol. 91 pp. 22303-22307, (Nov. 1994) Developmental Biology.
7.	Brinster, Ralph L. et al., <i>Spermatogenesis following male germ-cell transplantation</i> , Proc. Natl. Acad. Sci USA, Vol. 91, pp. 11298-11302, (Nov. 1994), Developmental Biology.
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9.	Chung, J. H. et al., <i>A 5' element of the chicken beta-globin domain serves as an insulator in human erythroid cells and protects against position effect in Drosophila</i> , Cell, 74(3):505-14, Aug 13, 1993, ABSTRACT ONLY
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JDM	13.	Desdouets, C. et al, <i>Cyclin A: function and expression during cell proliferation</i> , Prog Cell Cycle Res, 1:115-23, 1995, ABSTRACT ONLY
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DM	20.	Jiang, Fang-Xu et al., <i>Different fate of primordial germ cells and gonocytes following transplantation</i> , <i>APMIS</i> , Vol. 106, p. 58-63, (1998).
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	22.	Jones and Shenk, <i>An adenovirus type 5 early gene function regulates expression of other early viral genes</i> , <i>Proc. Natl. Acad. Sci. USA</i> , 76:(8)3665-3669 (1979)
	23.	Kang, M. J. et al., <i>Cyclins and cyclin dependent kinases during cardiac development</i> , <i>Mol Cells</i> , 7(3):360-6, (June 30, 1997) ABSTRACT ONLY
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	26.	Langer, Robert S. et al., <i>Tissue Engineering: The obstacles to building new organs from cells and synthetic polymers are daunting but surmountable</i> <i>The Challenges Ahead</i> , <i>Scientific American</i> , pp. 86-89, April 1999

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JDM	27.	Lavitrano, Mariauisa et al., <i>Sperm Cells as Vectors for Introducing foreign DNA Into Eggs: Genetic Transformation of Mice</i> , <u>Cell</u> , Vol. 57, pp. 717-723, (6/2/89)
	28.	Mittereder et al., <i>Evaluation of the concentration and bioactivity of adenovirus vectors for gene therapy</i> , <u>J. Virology</u> , 70: 7498-7509 (1996)
	29.	Müller, C. et al., <i>Cell cycle regulated transcription of the promoter of the human cyclin A1 gene</i> , <u>Blood</u> , Journal of the American Society of Hematology, Vol. 90, No. 10, Suppl 1 (Part 1 of 2) Nov 15, 1997 ABSTRACT 1404
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	34.	Nagano, M, et al., <i>Spermatogonial transplantation and reconstitution of donor cell spermatogenesis in recipient mice</i> , <u>APMIS</u> , 106, PP. 47-55, (1998)

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					YES NO

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IDM	35.	Naito M, et al., <i>Production of germline chimeric chickens, with high transmission rate of donor-derived gametes, produced by transfer of primordial germ cells</i> , <u>Molecular Reprod Dev.</u> , 39(2):153-161(Oct. 1994).
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	37.	Naldini, Luigi et al., <i>In Vivo Gene Delivery and Stable Transduction of Nondividing Cells by a Lentiviral Vector</i> , <u>Science</u> , Vol. 272, pp. 263-69 April 12, 1996
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	41.	Pedersen, Roger A., <i>Cells for Medicine</i> , <u>Embryonic Stem Cells for Medicine</u> , <u>Scientific American</u> , pp. 68-73 (April 1999).
	42.	Perez-Cruet, M. J., et al., <i>Adenovirus-Mediated Gene Therapy of Experimental gliomas</i> , <u>Journal of Neuroscience Research</u> , Vol. 39, pp 506-511(1994). <i>meiotic cell cycles</i> , <u>Dev. Biol.</u> , 10:173(1):69-78, (Jan 10, 1996).

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IDM	43.	Pikaart, Michael J., <i>Loss of transcriptional activity of a transgene is accompanied by DNA methylation and histone deacetylation and is prevented by insulators</i> , <i>Genes & Development</i> , 12:2852-2862, (1998).
	44.	Ravnik, S. E. et al., <i>The developmentally restricted pattern of expression in the male germ line of a murine cyclin A, cyclin A2, suggests roles in both mitotic and meiotic cell cycles</i> , <i>Dev. Biol.</i> , 10:173(1):69-78, (Jan 10, 1996). ABSTRACT ONLY
	45.	Ravnik, S. E. et al., <i>Regulation of meiosis during mammalian spermatogenesis: the A-type cyclins and their associated cyclin-dependent kinases are differentially expressed in the germ-cell lineage</i> , <i>Dev Bio</i> , 207(2):408-18 (Mar 15, 1999). ABSTRACT ONLY
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	47.	Schmidt, Jerzy A. et al., <i>Control of Erythroid differentiation. Possible Role of the Transferrin cycle</i> , <i>Cell</i> , Vol. 46, 41-51 (Jul 4, 1986).
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	49.	Sweeney, Claire et al., <i>A distinct cyclin A is expressed in germ cells in the mouse</i> , <i>Development</i> , Vol. 122, pp. 53-64 (1996).
	50.	Wagner, Ernst, <i>Transferrin-polycation conjugates as carriers for DNA uptake into cells</i> , <i>Proc. Natl. Acad. Sci. USA</i> , Vol 87, pp. 3430-3414 (May 1990).

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SDM	51.	Wolffe, A. P., <i>Packaging principle: how DNA methylation and histone acetylation control the transcriptional activity of chromatin</i> , J. Exp Zool,
		282(1-2):239-44 (Sep-Oct 1998). ABSTRACT ONLY
	52.	Yang, Rong et al., <i>Characterization of a Second Human Cyclin A That is Highly Expressed in Testis and in Several Leukemic Cell Lines</i> , Cancer Research,
		57, pp. 913-920 (March 1, 1997).
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	53.	XP-002099974, J09220039, "Introducing Extraneous Gene Sperm Ovum Produce Transgenic Animal Comprise Introducing Extraneous Gene Liposome Complex Through Testicular Ovary Artery Sperm Testicular Ovum Ovary", Abstract Only.

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